## Amendments to the Specification:

Please replace the paragraph beginning on page 23, line 19 and ending on line 24 with the following amended paragraph:

This simplified Green's function is the analytical solution for a point source in the semi-infinite slab using the partial-current boundary condition:

$$G_{ij} = \frac{1}{2\pi D}\left\{\frac{\exp(-\mu_{eff}r_{ij})}{r_{ij}} - \frac{1}{z_b}\exp(r_{ij}/z_b)E_1[(\mu_{eff} + \frac{1}{z_b})r_{ij}]\right\} \qquad (7)$$

Here $r_{ij} = |x_j - x_i|$ , $E_1$ is the first order exponential integral and

$$\cancel{\mu_{eff} = [3\mu_A(\mu_A + \mu_S')]} \qquad \cancel{(8)} \qquad \underline{\mu_{eff} = \sqrt{3\mu_A(\mu_A + \mu_S')}} \qquad (8)$$

$$z_b = \frac{2D}{c}\frac{1 + R_{eff}}{1 - R_{eff}} \qquad (9)$$